Parametric Technology Corporation Needham, Massachusetts

Explore, design, & deliver STEM education using real-world tools & technologies. The STEM Program offered by the Plymouth State University's College of Graduate Studies gives educators the opportunity to:

- Learn about STEM technologies used by engineers
- · Engage in hands-on exercises
- Participate as teaching assistants in delivering STEM workshops worldwide using exciting online collaboration technologies
- Learn STEM tools and how to create classroom activities using these tools to inspire students to explore careers in STEM
- Earn graduate credit and/or CEUs

## This program offers:

- Broad exposure to successful product and natural science systems
- Educational activities designed to increase technology literacy across all disciplines and ages
- Early exposure to product concepts in an early educational program
- Familiarity with STEM programs including FIRST, RWDC, NASA, Etc.
- Appreciation of available resources and how to procure them
- Skills in technologies including Creo,
   Mathcad and Windchill
- Advanced design software will be provided free of charge.

Technologies,
Programs, &
Resources
(3-credit hour Online
Graduate Course)

Practicum 1
Teaching Assistant
in STEM Workshops
(1-credit hour)

Practicum 2
Designing and
Delivering a STEM
Workshop
(1-credit hour)

Profession

Raytheon

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Whirlpool

Schneider

Schneider

BLACK&DECKER

Rockwell Collins

Nypro

Inspiring the next generation of STEM Professionals

K-12 University

Authorized Training Centers: Authorized K-4th 5th Middle High PTC Global University/ Assessment Talent Hub: School College: Grade: Grade: School: Centers evelopin Educatio 120 hours Assessment based on PTC University of in facility STARBASE training PTC Design Challenge **WORKFORCE DEVELOPMENT** 

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